Notebook, N-01-01-18

New Book

January 18 1901

208 New style -

Rogers pepper box perfter,

took penny ni + pressed it in press to a plate, then took piece rogers + dented it round burr up - laid ni plate on it then put a Rogers on top of plate burr side down then pressed whole together -

Then is put into a ni punched pocket,

Freddy says holes in Rogers closed up - what one he is going to grind top burrs off so the holes wont close

Empty grid 2.2

Wt of Ni + 2 Rogers 4.35

Wt of 2 " 1.65

2.70 wt of plate of Ni

Nio 7 pts

graf 3 pts,

Mounted with Kopp

Size plate 11/16 X 2" 42/1000 thick

1st Run —

427	140	124	134		16
438	127	114		11	
444	111	99		35	
451	62	54			
903	134	118	130		
910	114	102	112		
915	112	99		20	

1/32 grd

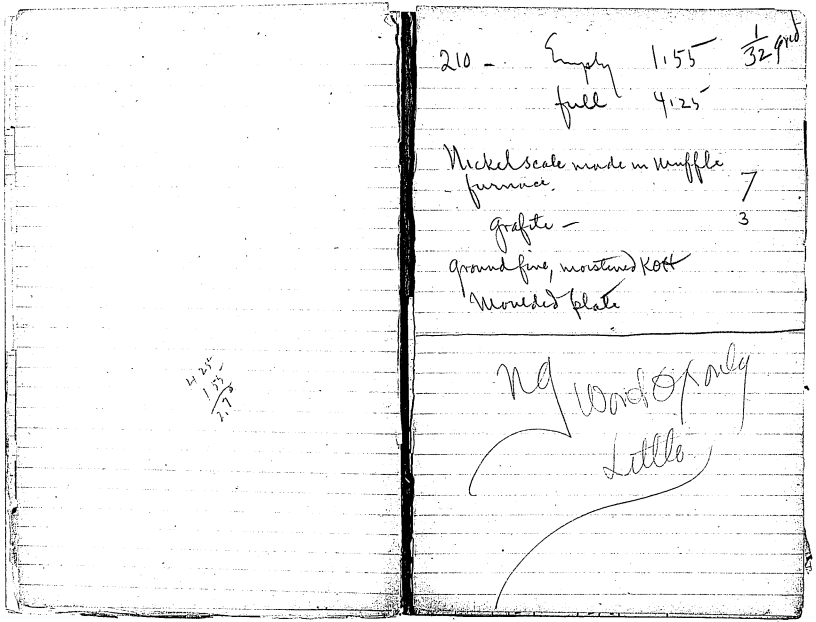
209 Empty 1'45"
full 3 15

Hydrate Ni 6g batch,
boiled in matter KOH
Drab colour -

Green

7/3

Monster KOH, green plate,
Thin stuff dissolves is
changed entirely by hydrochloric
to green -

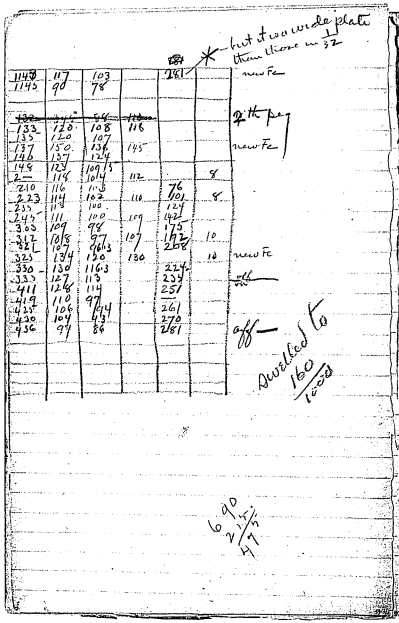

210 – Empty 1.155 1/32 grd
full 4.125

Nickel scale made in muffle furnace.

Graphite – 7
3

ground fine, moistened KOH
mounted plate

No Work Only
Little



1148	117	103		281	
1145	90	78			new Fe
1130	116	96	116		
1133	120	108			2th pc
1135	120	107			new Fe
1137	150	138	145		
1140	137	124			
1148	124	109 5			
2—	114	104	112	8	
210	116	105		76	
2.23	114	102	110	101	8
235	118	100		124	
245	111	100	109	142	
305	109	99		175	
317	1818	97	107	192	10
321	10	1803		208	
325	134	120	130		10 new Fe
330	130	1163		224	
333	127	113		239	off
411	128	114		251	
419	110	97			
422	106	1814		261	
430	104	93		270	
436	97	86		281	

* cut two wide plate thru those in 32

off—

swelled to 160/1000

6.90 2 1/2 4.40

Empty 2.15

211 filled 6.9

Wide plate Extra wi plate 1.6

Per of plate above 3.15

Same as 208,

except plate 52/1000 wi 7+3 gaug

+ Parowide was washed well again and dried —

The Rogers has ends filed off - as they dont close up holes

22 Punch

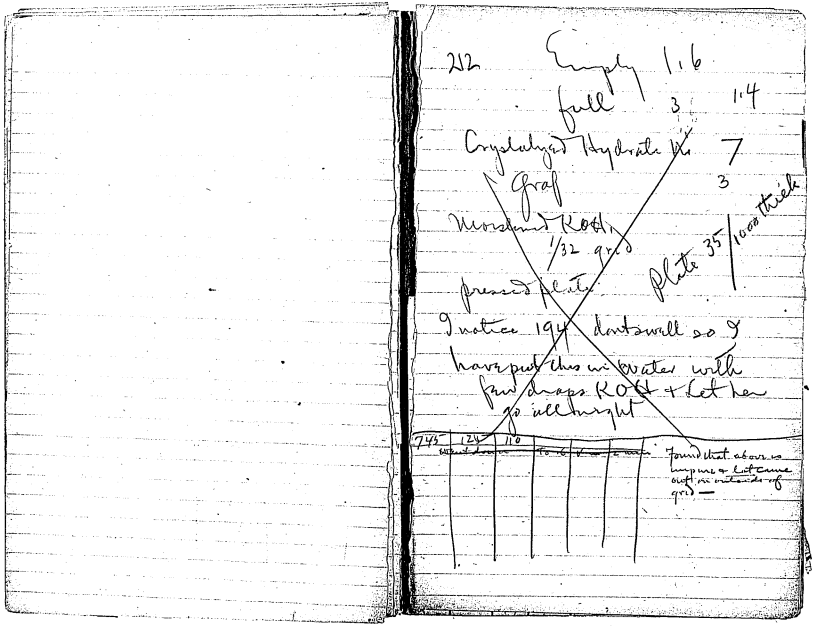
plate pressed 1st 150 atmos

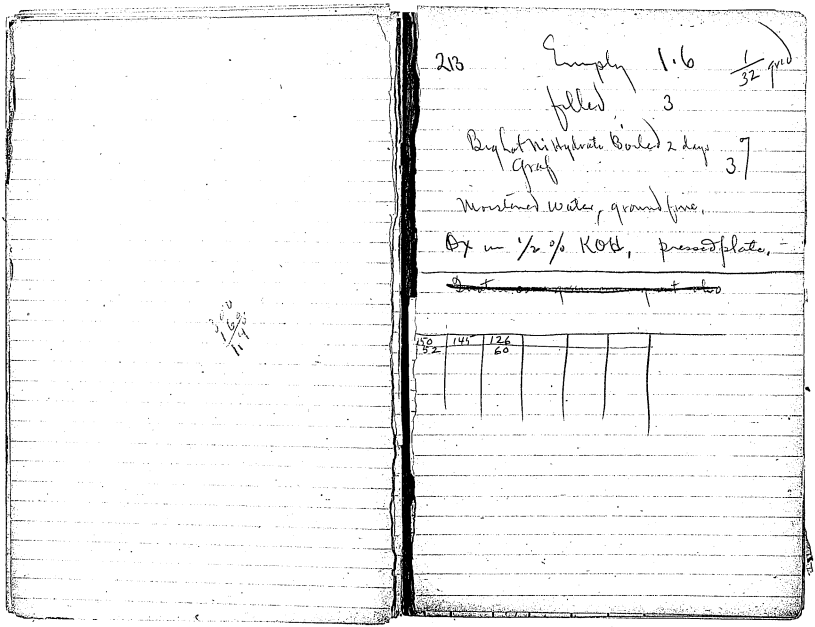
then when Rogers put on 300 atmos 1.4 metric

wooslem) Koff

918	130	113	122	24	9	
930	118	1043	112	47	7	
940	114	101	109	69	7	
950	112	98				
950	143	125	134		9 10	new Fe
12—	133	115	128	80		
1015	112	9913	107	116		
1020	111	98		125		
1030	111	98		142		
1035	110	97		151		
1050	110	96	104	178	8	
1055	109	96	104	187		
11—	108	95.7		196		
1105	107	95		205		
1115	136	1.27				new Fe
1112	131	116	128	223		
1120	130	114		238		
1130	110	196		259		
1135	115	98		268		
1140	107	92		278		

157/1000


212
Empty 1.6
full 3 1.4
Crystalized Hydrate 7
Graf 3
Measured KOH
1/32 grs
pressed plate
plate 35/1000 thick
9 notice 194 dont smell so g
have put this in water with
few drops KOH + let her
go all night
743
124
110
Found that about no
impurities + but came
out in contact of
grid —


213
Empty 1.6 1/32 gm
filled 3
Bright Mild Hydrate Boiled 2 days 3.7
Graf
Neutralized water, ground fine.
0.1 m 1/2 % KOH, press-plate.
140/32
144
126/60

927	122	110			
986	112	101			
944	104	93	104	33	
950	100	88		41	
955	90	92		49	
960	87	77		56	

214 Empty 1.5

full 2.7 Impure

Peroxide — 3

grey

Moistened Water, pressed plate
33/1000 thick

Notice some grew comes out also some block which was probably once green strip to outside of 214 — Proof is impure.

1147	140	120	132				
1148		160					
115	132	114	121			7	off
120	100	84					
258	135	118	124			6	browned yet
102	112	95	105		8	7	
96	95	86					new Fe
95	120	104					
06	100	85		14			48
143	147	128	140				
54	96	80					
124	138	123	130				
130	122	105	115			7	
132	119	1053	123	23		7	
140	114	100	110	33			
141	108	114					new Fe
150	103	93					off at 11pm time
	93	74					20% Kog

6.0 / 1.2 / 1.0

410	128	119		85	
420	103	111		100	
421	85	119			

Crowding the wear
Hole of fair —

72/1000

Wide plate

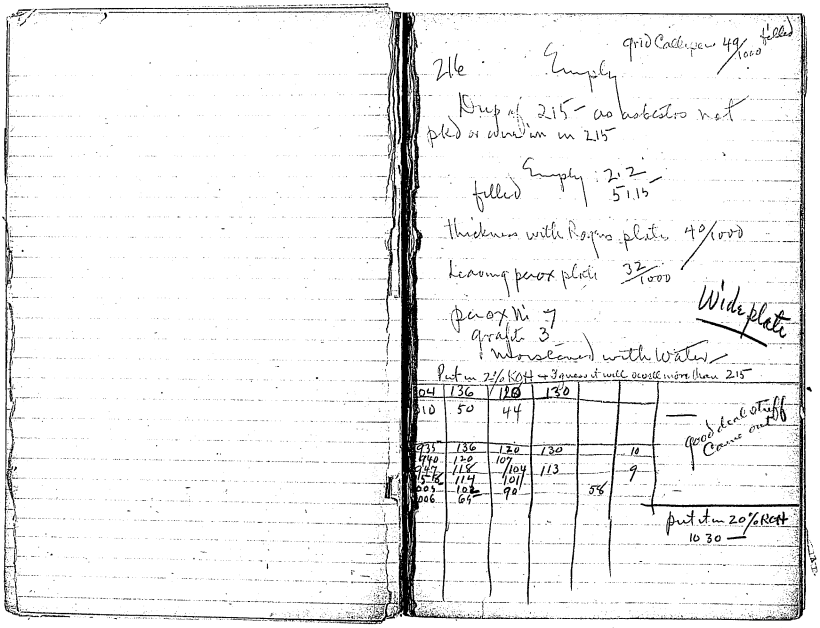
215 = Empty 213
full 5.

Extra medical plate before pressing on 113
peroxide plate 114
(1 Peroxide 7 graf 3 moisture) with
water —
This is two Rogers plates with burrs
off - faced and rounded) in plate
plate before going on grid faced with
Rogers plates. 138/1000

Grid with plate in 47/1000 —
1% KOH, after 2 hours put in 1%
Tested Plates after 1 hour 39/1000

After being on all Saturday night
gave on saw Mach - 8 put it in 20%
KOH Sunday night 515.

18	135	118	126		8	
25	118	101				new Fe
35	150	133	143			
40	132	117	127		10	
50	127	112	122		10	
65	118	94	108	97	10	
110	60					088
1328	148	133				
1340	131	115		27		
1350	124	110		65		
1400	112	98		67		
1402	136	121				new Fe



grid Cadiz per 49/1000 folded

246 Empty

Drop of 215 – no asbestos not plated or chromium on 215

filled Empty 212 – 51.15

thickness with Rapid plate 40/1000

Leaving peroxplate 32/1000

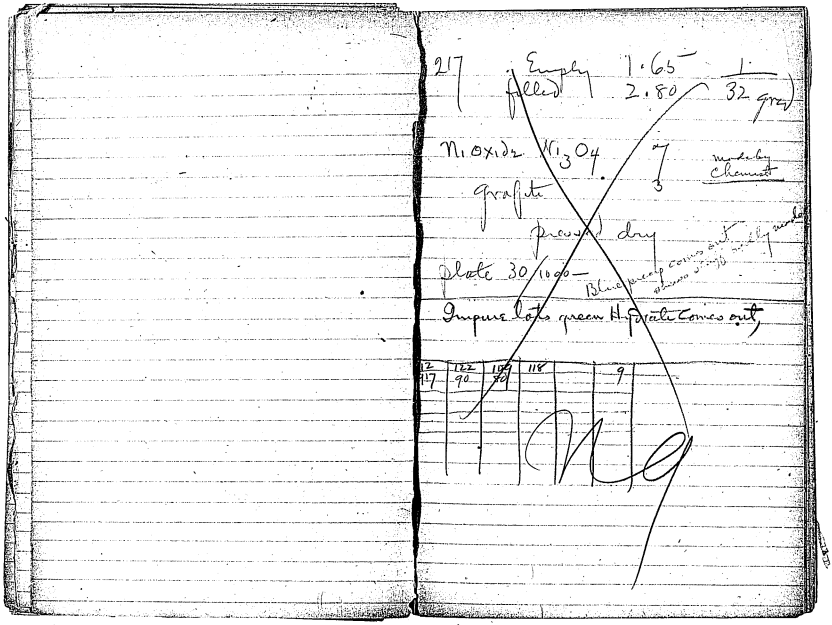
Wide plate

peroxide 7
graphite 3
monosilicon with Water

Put in 2% KOH + 3 grams it will dissolve more than 215

204	136	120	130			
210	50	44				
935	136	120	130		10	good deal of stuff Comes out
940	120	107				
947	115	104	113		9	
958	114	101				
003	102	90		58		
006	69					

put in 20% KOH
10 30


217
Empty 1.65
filled 2.80
1.
32 grs
Ni Oxide Ni3O4
graphite
3
made by Chemist
pressed dry
plate 30/1000
Impure Lots green H2SO4 Comes out
2
117
122
90
120
80
118
9

115	100	96			
115	100	116			
120	123	110		131	
130	132	108		141	
130	117	104		138	
135	110	97		160	
140	99	94		168	

new Fe

120/1000

N_2O_3 to NiO_2
3.4 gm per amp hr

Wide grid

218 Empty 2.3
Pulled 6.250
Callipers 58/1000

Rogers plate armor 48/1000 — wt 1.3
Ni peroxide 40/1000 " 2.165

The peroxide is made by making a warm dilute solution of sulphate Nickel + precipitating by ammonium Hypochlorite. Washed on filter only - dried all night in steam bath & ground fine. pressed plates moistened 50% KOH, put right in 20% KOH

N_2O_3 grid 3/- old plate 8/16 wide
Thin " 11/16 "

—	132	125	135		10	
06	130	115				
15	115	101				
27	60					48
48	138	132				
—	130	118				off from 11 till 1224
224	133	118				
238	111	100		54		
245	110	98		64		
252	110	97½		76		
305	107	95		84		
05	106	94		105		
20	122	110				
25	117	103		113		new Fe

219 — Empty 2.125
full 15/1000 5.18

Rogers armor 42/1000 1.4
Bag let Hyn treated twice Hypo.
2nd time ground fine — 7/3
good
moist KOH 17% processed
Mplate alone 34/1000 — 20% KOH

9436	132	119	123			4	
9446	120	107	114		20	7	
9451	116	102	118		30	7	
9463	113	102			38		
5—	113	100					
5—	137	122	132			10	new Fe
5205	130	117	127		58	10	
5211	130	115.5			71		
5216	127	113			64		
5229	126	111			1000		
5236	123	109		122	110	13	
5240	114	102			130		
5243	110	96			136		
5248	128	113			134		new Fe
5250	122	108			151		
5253	120	104			161		
6—	100	90			170		off —
7556	134	120	140				
7606	133	120	130		18	10	
8513	127	114			87		
8525	113	102			97		
8530	111	100			97		
8531	130	116			66		new Fe
8540	125	112	124		98	12	
8551	119	106			110		
8575	113	102			120		
9257	125	112			170		new Fe
10265	120	105			136		
10269	107	94			146		
10282	97	82			154		

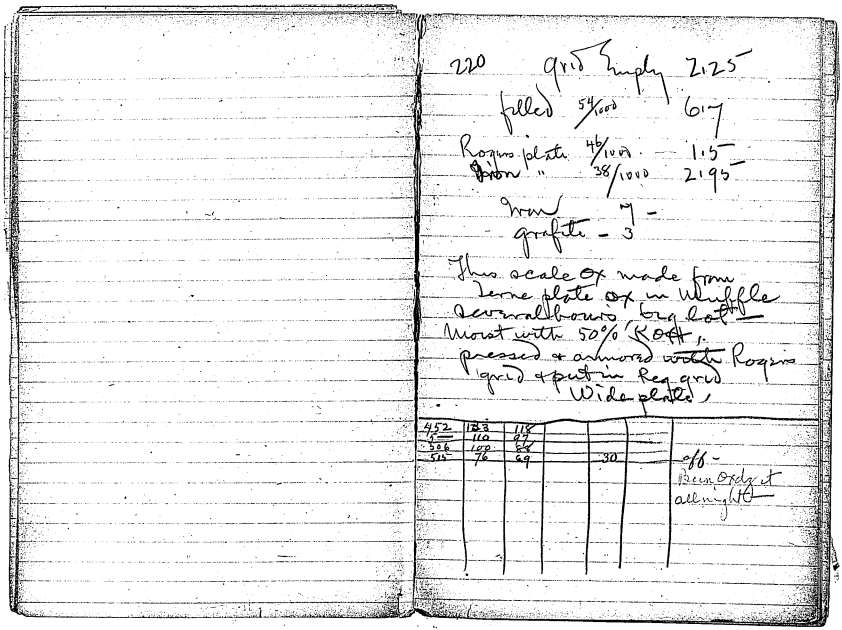
56° 7/15 1/3

96/1000

lost some

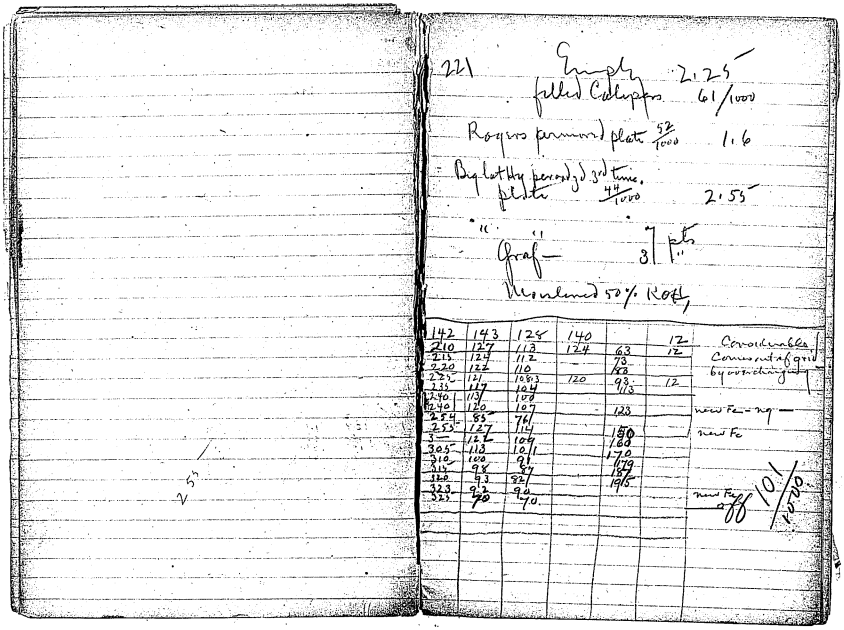
Ferrate aq K dust work well as deplg in delam

Ferrate Baum aq 2s 25@30 V
2nd prep with Zinc after 20 minutes delamin



220 grid Empty 2.125
filled 54/1000 6.17
Rogers plate 48/1000 — 1.5
Iron " 38/1000 2.95
mm 7
graphite - 3
Thus scale of made from
Iron plate of in Muffle
Sevenoaks Engl
Moist with 50% KOH.
pressed + ashmored with Rogers
grid + put in Reg grid
Wide plate)

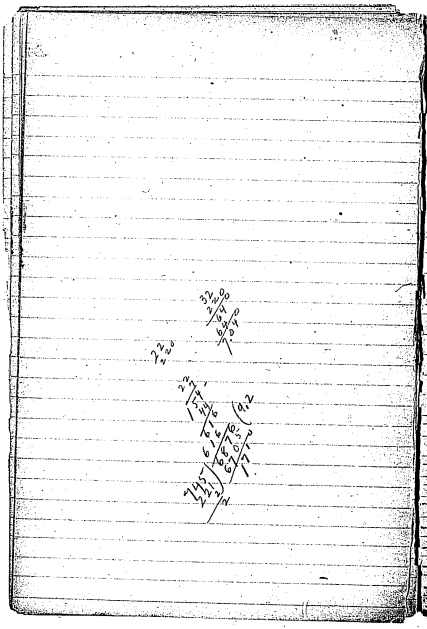
452	123	118				
1	110	64				
526	140	58				
515	76	69		30		off -
						Been Ordy at all night



221

Empty 2.25
filled Cadaphos 61/1000
Rogers permanent plate 53/1000 1.6
Bag bottle percolyd 30 times, 44/1000 2.55
" " Graf— 31 pts
Moreland 50% ROH

142	143	125	140		12	Groundnuts
210	127	113	124	63	12	Comes out of grid
215	124	112		73		by scratching
220	122	110	—	83		
225	121	1093	120	93	12	
235	117	104		113		
240	113	108				
240	120	107		123		
254	85	76				new Fe — ng —
253	127	114		150		new Fe
3—	126	104		180		
305	113	1011		170		
310	100	91		179		
315	98	87		187		
320	93	82		195		
323	93	90				new Fe
325	90	90				off 101/1000



222 Rogers Bm. Nitplate 55/1000
actual wt material 2.35
Perox by hypochlorite from 6g lot
hydrazine 4th trimd of Hypo —
It was too moist with 50% KOH,
3 pts Perox
1" graphite.
Made other way

740	140	124	133		9	
746	130	119				
753	122	108	120		12	
805	110	96				
805	137	120	132		12	new Fe
811	126	114		65		
815	128	112.5		73		
820	126	112		94		
825	124	111		94		
834	122	108		101		
853	118	106		101		
903	118	104.5		172		
910	117	103.2		185		
920	113	100		204		
930	103	91		221		
934	80	72				
930	82	72.2				
						new Fe rod Run
1257	140	132				
115	130	113	126	40	11	
130	123	111		93		pby Two Neutral Hydrolyzers
140	121	107		105		
151	113	98		118		to the Mt
2	107	94		101		
223	87	77		104		
245	82	74.7				

9926	143	128			48	
9945	130	116			64	
955	124	112			83	
1005	109	93				
1015	104	94			101	
1025	100	88	102		118	
1030	96	84			126	
1035	90	79			134	
1043	162	54			144	
1053	120	106			146	
1059	112	98			155	
11—	103	92			173	
1105	102	90			181	
1110	97	84			189	
1120	651	571			208	

219 114

avg = 117 4/8 dollar

104

new ni 222-

off

1/32 grid

223

Thus no scale from Mooney since got very hot + hammered,

grid Empty 1165
full 315

7t 8
graf 2

Monument KOH 50 1/

Broken 3 pieces, very brittle plate
Anal-act like others, both cam—
out grid—

3347	130	116	130			226-ni—
356	124	112	128		47	
405	120	108			43	
415	49	106			57	
423	49	96			244	
426	137	124				new ni
446	120	106	122		114	
453	117	82			126	
456	107	114				new ni
5—	123	112			134	
515	126	106			164	
530	111	100			174	
535	104	94			182	
550	103	94			191	
710	101	92			208	
745	100	90			216	
750	98	89			225	
755	98	88			235	
8—	96	88			244	
810	93	86			257	
824	89	80			274	
835	77	70			286	

fine—

off

224 - Empty 1.165

Req 1/32 grid

filled 4/1000 31-75

Norway Iron Acole high heat 38/1000

Fe 8
Graf 2

Monsigrad 50% RH, pressed hard - with Jeans press -

With strong Current commercial Chromium ant, reduced Ct -

822	125	113				
830	120	110		122	12	
840	116	104		36		
845	100	58		45		
850	93	94		1.165		off

1/32 Reg grid

225

Empty 1.6
Full 4.015 Less 55/1000 =

Scale from Norway Iron at Melting heat

Graf 2

Moist 5% KOH, ground very fine
mounted in screw press
Broken.

150	122	109				
203	70	60				
204	140	125				
210	132	120		29		
215	128	116		40		
232	122	110		75		
250	102	91		109		
300	98	89		125		
310	42	42		157		
322	53	99				
327	114	104				
335	102	90		159		
340	80	72		204		
344		after melting				
805	138	122.5				
820	125	111		37		
832	113	100		62		
840	110	98		71		
841	120	106				
872	110	98		92		
900	107	94		137		
905	104	92		151		
914	104	89				
924	115	102		148		

Ground 219

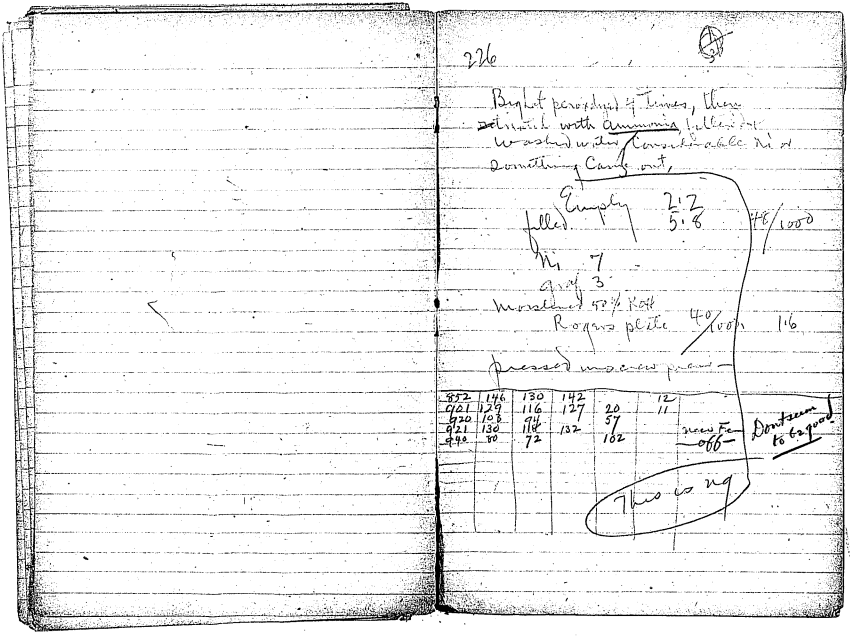
Ground 226

99

Large grid - 19 grooves
Nickel ± -

Ground

Ground



226

Bright per sulphat 4 times, then
stirred with ammonia followed by
washed with considerable Ni H
Something Came out,

Empty 2:7
fulled 5:8 46/1000

Ni 7
Graf 3
Inoculated 48 hrs Rat
Rogers plate 40/1000 1:6

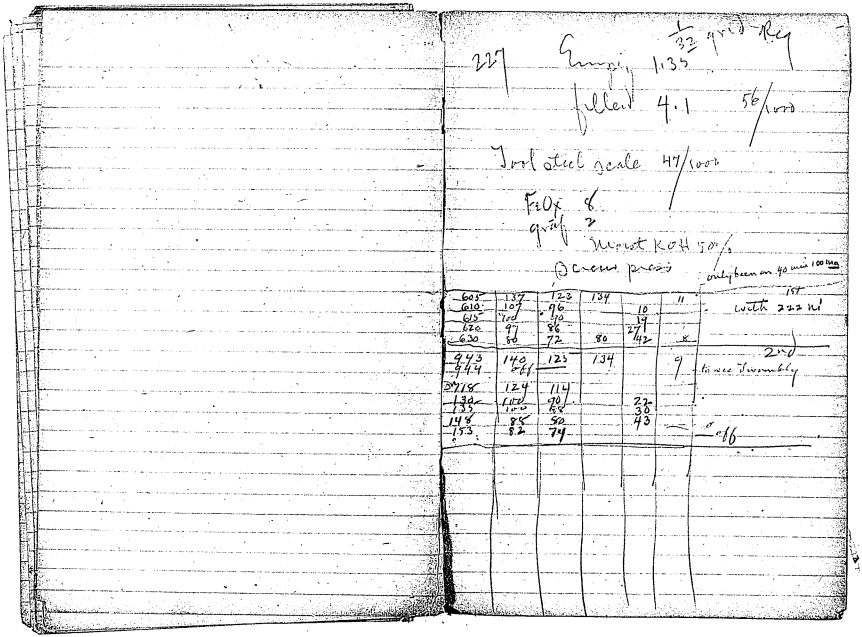
pressed mucous pearl

852	146	130	142		12	
921	129	116	127	20	11	
920	108	94		57		
921	130	118	132	162		
892	80	72				

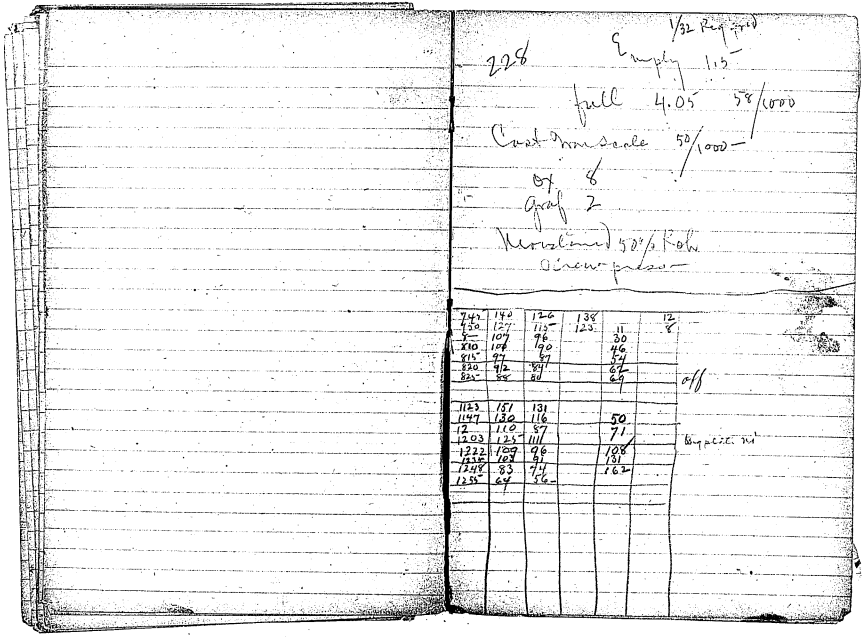
Two c ng

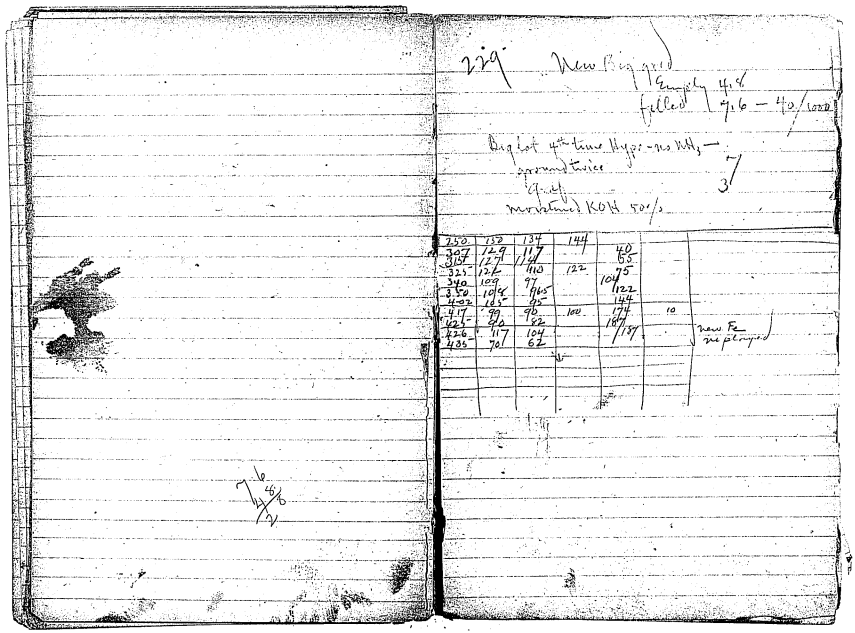
new Fe 066

Dont seem to be good



227 Empty 1.135 ± 32 grid Rig
filled 4.1 56/1000
Trol stict scale 47/1000
F2O5 8
grit 2
Mount KOH 50%
Screw press only been on 40 min 100 kg
1st
605 137 123 134 11
610 107 96 10 with 222 ml
615 100 90 19
620 97 86 27
630 90 72 80 42 x
2nd
643 142 125 134 9 to wet Trommbly
644 off
647/8 124 114
650 100 90 23
655 100 88 38
148 85 80 43 " "
153 82 74

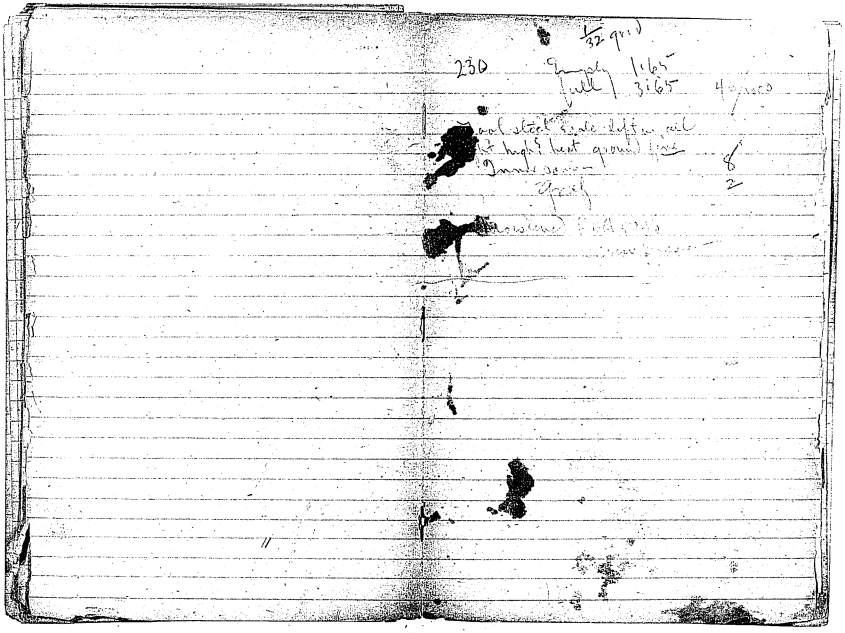

1/32 Reg grid
226
Empty 1.15
full 4.05 58/1000
Cast Iron scale 50/1000
of 8
Graph 2
Horsetail 50% Rolls
Direct pulse
742 140 126 138 12
730 127 113 123 8
5 107 96 11
810 104 90 30
815 97 87 46
820 92 84 54
825 88 80 67
69
off
1123 151 131
1147 130 116 50
12 110 97 71
1203 125 111
1222 109 96 108
1236 103 91 151
1245 83 74 162
1255 64 56
by pellet mill

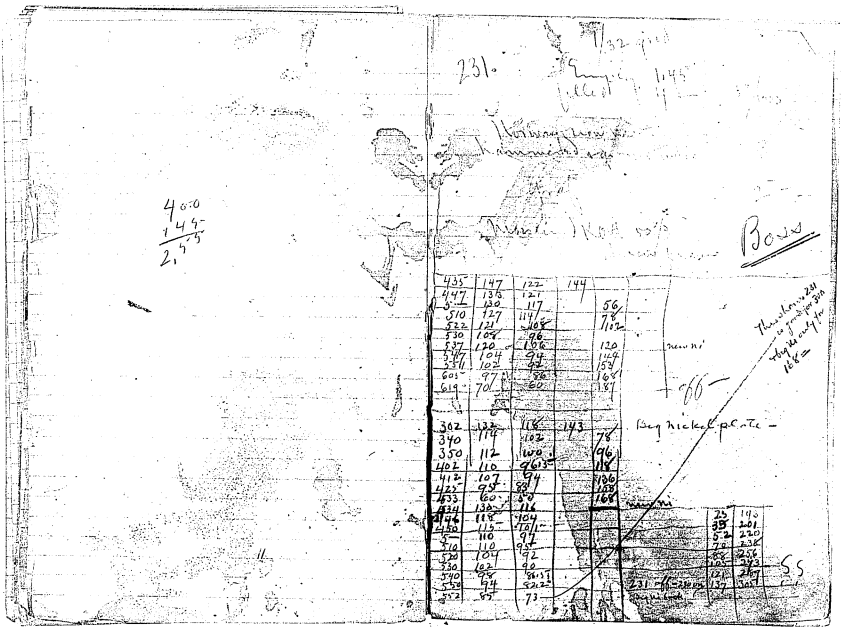


229 New Pig grid
Empty 4/4
filled 4/6 – 40/1020

Digest 4th time Hypo-nos NH3 –
spun twice
4/4/21
neutralized KOH 50%

250	132	134	144		40		
307	129	118			65		
315	127	110	122		104		
325	126	97			75		
340	109	105			122		
350	104	95			144		
402	105	95			174		
417	89	90	100		167	10	
425	90	82			159		new Fe
426	117	104					in plunger
435	70	62					




231.
Bow
Thursday 24
Beg nickel plate